We claim:

1   1.   A system for managing digital resources on a network, the network connects to at least one

2   network site having at least one network server to access a first digital resource and a second digital

3   resource, the first digital resource having a link to the second digital resource, the system

4   comprising:

5   a change-detection system connected to the network, wherein the change-detection system

6   examines the first digital resource and the second digital resource to detect an error in the link to the

7   second digital resource; and

8   a notification system that communicates a message describing the error to an author of the

9   first digital resource.

1   2.   The system of claim 1 further comprising:

2   a registration system connected to the network, the registration system having an interface

3   for a subscriber to create an association in a database between the author and the first digital

4   resource.

1   3.   The system of claim 2, wherein the notification system further comprises:

2   a first notification subsystem that submits a query to the database to retrieve the author of

3   the first digital resource; and

4   a second notification subsystem that determines the author of the first digital resource if the

5   query by the first notification subsystem fails to retrieve the author of the first digital resource.

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1　4.　　The system of claim 3, wherein the second notification subsystem determines the author of

2　the first digital resource by applying heuristic algorithms and performing a probabilistic analysis.

1　5.　　The system of claim 1 further comprising:

2　　　　an administrative system having an interface for an operator to maintain the system.

1　6.　　The system of claim 1, wherein the change-detection system further comprises:

2　　　　a collection system connected to the network, wherein the collection system retrieves data

3　from said at least one network site and stores the data in a database; and

4　　　　a detection system that examines the first digital resource and the second digital resource to

5　detect an error in the link to the second digital resource.

6　　　　Web-crawler that retrieves data from said at least one network site.

1　7.　　The system of claim 6, wherein the collection system includes a Web-crawler that retrieves

2　data from said at least one network site.

1　8.　　The system of claim 1, wherein the notification system includes a resolution system that

2　generates the message describing the error in the link to the second digital resource.

1　9.　　The system of claim 1, wherein the message includes at least one resolution for the error.

1　10.　　The system of claim 9, wherein the message further includes a recommended resolution for

2　the error.

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1   11.   The system of claim 10, wherein the message further includes a modified first digital

2   resource comprising a copy of the first digital resource altered by application of the recommended

3   resolution for the error.

1   12.   The system of claim 11, wherein the notification system further communicates a request to

2   said at least one network server to replace the first digital resource with the modified digital

3   resource.

1   13.   The system of claim 12, wherein the message includes an indication that the notification

2   system replaced the first digital resource with the modified first digital resource.

1   14.   A method for managing digital resources on a network, the network connects to at least one

2   network site having at least one network server to access a first digital resource and a second digital

3   resource, the first digital resource having a link to the second digital resource, the method

4   comprising the steps of:

5   creating an association in a database between an author and the first digital resource;

6   retrieving data from said at least one network site;

7   storing the data in the database;

8   examining the first digital resource and the second digital resource to detect an error in the

9   link to the second digital resource;

10   generating a message describing the error; and

11   communicating the message to the author of the first digital resource.

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1 15.   The method of claim 14, the message including at least one resolution for the disparate

2 content.

1 16.   The method of claim 15, the message further including a recommended resolution for the

2 disparate content.

1 17.   The method of claim 16, the message further including a modified first digital resource

2 comprising a copy of the first digital resource altered by application of the recommended resolution.

1 18.   The method of claim 17, wherein the communicating step further comprises:

2   transmitting a request to said at least one network server to replace the first digital resource

3 with the modified first digital resource.

1 19.   The method of claim 18, the message further including an indication that said at least one

2 network server replaced the first digital resource with the modified first digital resource.

1 20.   The method of claim 14, wherein the generating step further comprises:

2   querying the database for the author of the first digital resource.

1 21.   The method of claim 20, wherein if the querying step fails to retrieve the author of the first

2 digital resource, the generating step further comprises:

3   applying heuristic algorithms; and

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4   performing a probabilistic analysis.

1   22.   Computer executable software code stored on a computer readable medium, the code for

2   managing digital resources on a network, the network connects to at least one network site having at

3   least one network server to access a first digital resource and a second digital resource, the first

4   digital resource having a link to the second digital resource, the code comprising:

5   code to create an association in a database between an author and the first digital resource;

6   code to detect a change in the first digital resource; and

7   code to notify the author of the change in the first digital resource.

1   23.   The computer executable software code of claim 22, wherein the code to detect a change

2   further comprises:

3   code to retrieve data from said at least one network site and store the data in the database;

4   and

5   code to examine the first digital resource and the second digital resource to detect an error in

6   the link to the second digital resource.

1   24.   The computer executable software code of claim 23, wherein the code to notify the author

2   further comprises:

3   code to generate a message describing a resolution for the error; and

4   code to communicate the message to the author of the first digital resource.

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1   25.   The computer executable software code of claim 24, wherein the code to communicate the

2   message further comprises:

3   code to query the database for the author of the first digital resource; and

4   code to determine the author of the first digital resource by applying heuristic algorithms

5   and performing a probabilistic analysis if the code to query the database does not retrieve the author

6   of the first digital resource.

1   26.   The computer executable software code of claim 22 further comprising:

2   code to maintain the database and software processes.